- EPODOC / EPO

PN - JP10162013 A 19980619
PD - 1998-06-19
PR - JP19960317918 19961128
OPD - 1996-11-28
TI - DIGITAL SEARCHING DEVICE
IN - TAKAHASHI NAOHISA; KAWANO TETSUO; OGURA TAKESHI; SANEI TAKESHI; YAGI SATORU; MARUYAMA MITSURU
PA - NIPPON TELEGRAPH & TELEPHONE
IC - G06F17/30
- WPI / DERWENT

TI - Digital data searching apparatus - has maintenance processor and search processor which are used to initialize and search digital search tree stored in shared memory, respectively and these processors are operated independently
PR - JP19960317918 19961128
PN - JP10162013 A 19980619 DW199835 G06F17/30 015pp
PA - (NITE ) NIPPON TELEGRAPH & TELEPHONE CORP
IC - G06F17/30
AB - J10162013 The apparatus includes a shared memory (3) that stores digital search tree. A maintenance processor (2) initialises the digital search tree, the node of the digital search tree and the reconfiguration of digital search tree.
- A search processor (1) searches the digital search tree. The maintenance and search processors operate independently.
- ADVANTAGE - Features simplified structure. Separates search processor's functions and maintenance processor's functions. Prevents delay of search process since deletion process, search process and additional process perform simultaneously. Simplifies searching process.
- (Dwg.1/8)
OPD - 1996-11-28
AN - 1998-403377 [35]
- PAJ / JPO

PN - JP10162013 A 19980619
PD - 1998-06-19
AP - JP19960317918 19961128
IN - TAKAHASHI NAOHISA;MARUYAMA MITSURU;SANEI TAKESHI;OGURA TAKESHI;KAWANO TETSUO;YAGI SATORU
PA - NIPPON TELEGR & TELEPH CORP <NTT>
TI - DIGITAL SEARCHING DEVICE
AB - PROBLEM TO BE SOLVED: To provide a digital searching device which executes a searching processing on a digital search tree at a high speed even if the number of headers in the digital search tree is increased, even if the request frequency of the searching processing, an elimination processing and an addition processing increase or even if the requests of the searching processing are continuously outputted.
- SOLUTION: In the digital searching device, the digital search tree is kept in a common memory 3 and a maintenance processor 2 executes the initialization processing of the digital search tree, the addition processing of leaves and nodes and the elimination processing of the leaves and the nodes. A searching processor 1 executes the searching processing of the digital search tree. The maintenance processor 2 and the searching processor 1 independently operate and they access to the common memory 3 so as to operate the digital search tree in parallel.
I - G06F17/30